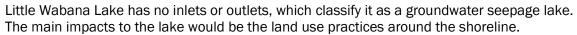
Itasca County

Summary

Little Wabana Lake is located 13.8 miles north of Grand Rapids, MN in Itasca County. There is evidence of an improving transparency trend.





Water quality data have been collected on Little Wabana Lake from 1999-2015 (Tables 2 & 3). These data show that the lake is oligotrophic (TSI = 38) with moderately clear water conditions most of the summer and excellent recreational opportunities.

Little Wabana Lake is part of the Wabana Chain of Lakes Association (WCOLA). The association is involved in activities such as water quality monitoring and education.

Lake Vitals

MN Lake ID: 31-0399-00

Ecoregion: Northern Lakes and Forests

Major Watershed: Mississippi R. – Grand Rapids

Surface area 116 acres

% Littoral area: 32%

Max depth: 57 (ft) 17 (m)

Aquatic Invasive Species: None

Long-term Trends

Recommend minimum of 8-10 years of data with 4+ readings per season. Minimum confidence accepted by MPCA is 90%

Phosphorus: Insufficient Data (2010-2011, 2020)

Chlorophyll-a: Insufficient Data (2000, 2010-2011, 2020)

Secchi Depth: Insufficient (2010-2011, 2020)

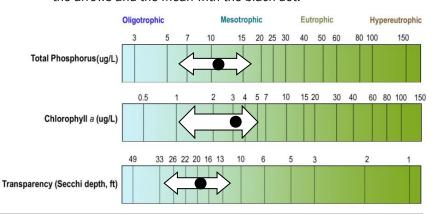
Water Quality Characteristics

Parameters	Site <u>203</u>
Total Phosphorus Mean (ug/L):	10.4
Total Phosphorus Min (ug/L):	6.0
Total Phosphorus Max (ug/L):	17
Number of Observations:	13
Chlorophyll-a Mean (ug/L):	3.6
Chlorophyll-a Min (ug/L):	1
Chlorophyll-a Max (ug/L):	5
Number of Observations:	13
Secchi Depth Mean (ft):	20.8
Secchi Depth Min (ft):	12.1
Secchi Depth Max (ft):	29.5
Number of Observations:	12

Trophic State Index

Trophic State: Oligotrophic (38)

The figure below shows the minimum and maximum values with the arrows and the mean with the black dot.



Vaare

Historical Data Summary

Monitoring Program
Citizen Lake Monitoring Program
Water Quality Inventory of Itasca County Lakes
Lake Monitoring Program
Wabana Chain of Lakes
Wabana Chain of Lakes
Wabana Chain of Lakes

Laboratory

Laboratory	i c ais
-	1999-2015
Itasca Community College & NE Technical Services, Inc.	2010-2011
-	2000, 2020
Itasca Community College	2010, 2014
Instrumental Research	2005, 2008
MN Chippewa Tribe	1999, 2003